

# Science on the Hill: Jumpstarting the carbon capture industry

October 16, 2015

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Carbon capture, utilization, and storage can provide a crucial bridge between our current global energy economy and a cleaner, more diversified energy future. Researchers from Los Alamos National Laboratory, Ohio State University and the National Energy Technology Laboratory have demonstrated that this approach is technically feasible and poised for full-scale roll-out.

Carbon capture involves diverting and compressing byproduct carbon dioxide gas (CO<sub>2</sub>) at the flue of coal-fired power plants and other emitters and subsequently transporting it in dedicated pipelines for injection into deep geologic reservoirs. As an alternative to this last step, manufacturers can use CO<sub>2</sub> gas to make marketable products. Either way, this approach could prevent millions of tons of industrial greenhouse gas emissions from entering the atmosphere every year as we strive to combat anthropogenic climate change.

This article first appeared in the Santa Fe New Mexican.

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